

Title (en)
DEVICE FOR MEASURING THE STRENGTH OF A PRESSED CONNECTION

Title (de)
VORRICHTUNG ZUR MESSUNG DER FESTIGKEIT EINER PRESSVERBINDUNG

Title (fr)
DISPOSITIF DE MESURE DE LA RÉSISTANCE D'UNE CONNEXION COMPRIMÉE

Publication
EP 3470815 A1 20190417 (EN)

Application
EP 18196755 A 20180926

Priority
CZ 2017654 A 20171013

Abstract (en)
A device for measuring the strength of a pressed joint of two components of a part to be tested, which comprises a base (1) on which is fixedly mounted an insert bearing (2) provided with a recess (21) for receiving the part (7) tested and with at least one opening (22) for a pressure element (31) the opening (22) being arranged at the point of the measured section of the part (7) tested, whereby on the base (1) from one side of the insert bearing (2) is further reversibly displaceably mounted a pressure unit (3) provided with pressure elements (31) which is coupled to a pressure drive (62) to ensure the reciprocating movement of the pressure drive (62) to the insert bearing (2) so as to push the pressure element (31) to the measured section of the part (7) tested, whereas a fixation unit (4) is reversibly displaceably mounted on the base (1) from the other side of the insert bearing (2), the fixation unit (4) being coupled to a fixation drive (61) to ensure its reversible displacement to the insert bearing (2) in order to clamp the part (7) to tested in the recess (21) of the insert bearing (2) and the fixation unit (4) is also provided with a measuring unit (5) to measure the position of the measured section of the part (7) tested.

IPC 8 full level
G01M 99/00 (2011.01); **G01L 5/00** (2006.01)

CPC (source: EP)
G01L 5/0038 (2013.01); **G01M 99/007** (2013.01); **G01N 19/04** (2013.01)

Citation (search report)
• [X] US 2017261405 A1 20170914 - ESTEVO CURTIS R [US], et al
• [X] US 4299131 A 19811110 - SEITZ MAX, et al
• [A] GB 2263553 A 19930728 - OPTIMOL INSTR GMBH [DE]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3470815 A1 20190417; EP 3470815 B1 20210630; CZ 2017654 A3 20181003; CZ 307481 B6 20181003

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EP 18196755 A 20180926; CZ 2017654 A 20171013